

XP-002172189

AN - 2000-261403 [23]

AP - JP19980234379 19980820

CPY - TOPP

- TOXW

DC - A89 G06 L03 P81 P84

FS - CPI;GMPI

IC - G02B5/20 ; G03F7/004 ; G03F7/027

MC - A08-C01 A08-C07 A12-E11 A12-L02B2 A12-L03B A12-L03D G06-D06 G06-F03C  
G06-F03D L03-C02B L03-G05B

PA - (TOPP ) TOPPAN PRINTING CO LTD

- (TOXW ) TOYO INK MFG CO LTD

PN - JP2000066381 A 20000303 DW200023 G03F7/004 013pp

PR - JP19980234379 19980820

XA - C2000-080242

XIC - G02B-005/20 ; G03F-007/004 ; G03F-007/027

XP - N2000-194901

AB - JP2000066381 NOVELTY - A photosensitive colored composition contains a transparent resin, a polyfunctional acryl monomer or oligomer, a photopolymerization initiator, a colorant and barium sulfate.

- DETAILED DESCRIPTION - A photosensitive colored composition contains a transparent resin, a polyfunctional acryl monomer or oligomer, a photopolymerization initiator, a colorant and barium sulfate. Preferably, the sulfate has an average particle size of up to 0.1 micron, and its content is 1-200 wt.%. Preferably, the colorant contains pigment particles surface-coated with a transparent inert layer.

- An INDEPENDENT CLAIM is also included for a color filter having a transparent board and a coloring material layer formed on the board at least part of which layer is made of the composition.

- USE - The filter is suitable for field radiation type displays, plasma discharge display panels, fluorescent displays, color liquid crystal displays and solid image pickup elements.

- ADVANTAGE - The composition has high storage stability, good applicability and good spectroscopic characteristics and ensures smoothing of color filters without sacrifice of color resolution, reflection-preventing performance and display contrast. The smoothing prevents occurrence of pinholes of dielectric substances, level differences of electrodes and defects of displays.

- (Dwg.0/8)

IW - PHOTSENSITISER COMPOSITION PREVENT OCCUR PINHOLE DIELECTRIC SUBSTANCE  
LEVEL DIFFER ELECTRODE DEFECT DISPLAY CONTAIN TRANSPARENT RESIN  
POLYFUNCTIONAL ACRYL MONOMER OLIGOMER INITIATE BARIUM

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LEVEL DIFFER ELECTRODE DEFECT DISPLAY CONTAIN TRANSPARENT RESIN  
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NC - 001

OPD - 1998-08-20

ORD - 2000-03-03

PAW - (TOPP ) TOPPAN PRINTING CO LTD

- (TOXW ) TOYO INK MFG CO LTD

TI - Photosensitive colored composition, preventing occurrence of pinholes

of dielectric substances, level differences of electrodes and defects  
of displays - contains a transparent resin, a polyfunctional acryl  
monomer or oligomer, a photopolymerization initiator, a colorant and  
barium sulfate

A01 - [001] 018 ; P0000

- [002] 018 ; ND01 ; ND04 ; Q9999 Q8322 Q8264 ; Q9999 Q9450 Q8264 ;  
Q9999 Q7512 ; Q9999 Q7501 ; Q9999 Q8673-R Q8606 ; Q9999 Q8684 Q8673  
Q8606 ; B9999 B4397 B4240 ; K9847-R K9790 ; K9870 K9847 K9790 ;  
K9483-R ; K9676-R

- [003] 018 ; D01 D26 D11 D10 D51-R D54 D51 D55 D57 D58 O- 6A ; A999  
A179 A157 ; A999 A771

A02 - [001] 018 ; G0817-R D01 D51 D54 G0975-R D55 D26 D11 D10 D58 D57 O- 6A  
; H0237-R ; A999 A782 ; A999 A179 A157

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